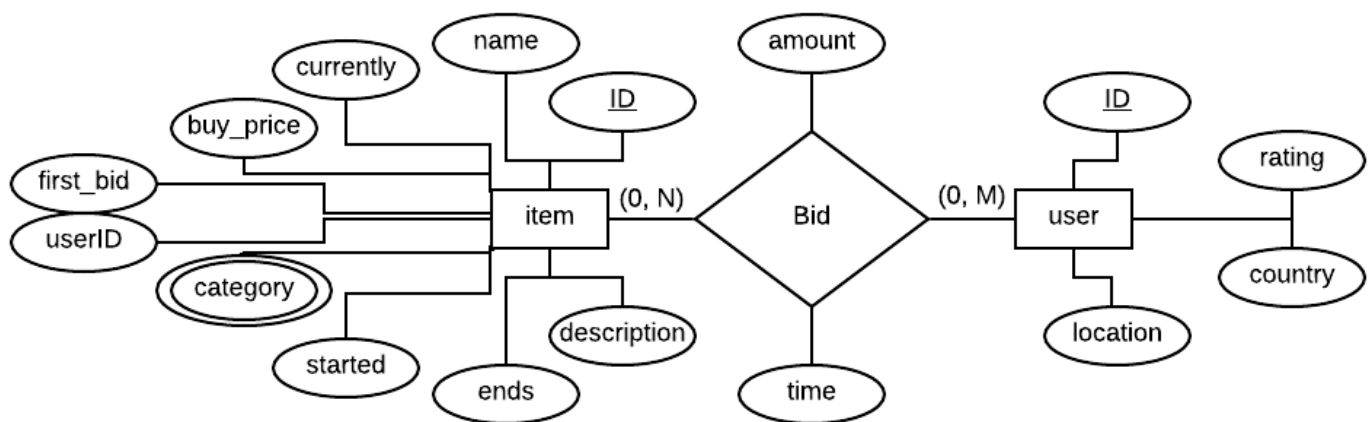# DSC 461, Project 2 (Individual Project)

Part 1 Report, Kefu Zhu

ER Diagram

User

1. **Attributes**

   - ID: TEXT
   - rating: INT
   - location: TEXT
   - country: TEXT

2. **Primary Key**: ID
3. **Foreign Key**: None

Item

1. **Attributes**

- ID: INT
- name: TEXT
- currently: DOUBLE
- buy_price: DOUBLE
- first_bid: DOUBLE
- started: DATETIME
- ends: DATETIME
- userID: TEXT

2. **Primary Key**: ID
3. **Foreign Key**: userID → User.ID

Bid

1. **Attributes**

   - itemID: INT
   - userID: TEXT
   - time: DATETIME
   - amount: DOUBLE

2. **Primary Key**: (itemID,userID)
3. **Foreign Key**:

   - itemID → Item.ID
   - userID → User.ID

Category

1. **Attributes**

   - itemID: INT
   - category: TEXT

2. **Primary Key**: (itemID, category)
3. **Foreign Key**: itemID → Item.ID